Appl. No. 10/775,702
Amdt. dated April 7, 2005
Preliminary Amendment

PATENT

Amendments to the Specification:

Please replace the title with the following amended paragraph:

ARRAY-TYPE DISK APPARATUS PREVENTING <u>LOST</u> DATA ~~LOST~~ ~~WITH TWO DISK DRIVES~~ <u>AND PROVIDING IMPROVED</u> FAILURE TOLERANCE ~~IN THE SAME RAID GROUP, THE PREVENTING~~ ~~PROGRAMMING AND SAID METHOD~~

Please replace the paragraph at page 28, lines 1-9 with the following paragraph:

In case where there is a disk drive whose "error counter" value has reached the "error count specified value level 1", the values of the "error counter" of all the disk drives are checked (step 1502). Next, the error monitor section 231 searches for a disk drive whose "[[spear]] <u>spare</u> bit" is "YES" and determines whether or not there is any disk drive whose "mirror status" is "mirror", i.e., an unpaired spare disk drive (step 1503).

Please replace the paragraph at page 28, lines 10-21 with the following paragraph:

When there is an unpaired spare disk drive, the error monitor section 231 selects that one of unpaired disk drives whose "error counter" value is the largest as a [[paring]] <u>pairing</u> target (step 1504), sets the number of the target disk drive in the "pair disk drive" of the selected spare disk drive (step 1505), sets the number of the spare disk drive into the "pair disk drive" of the target disk drive (step 1506), sets the "disk drive statuses" of the target disk drive and the spare disk drive in the mirror status (step 1507), instructs the mirror section 235 to start mirroring (step 1508), then returns to step 1503.

Please replace the paragraph at page 29, line 28 to page 30, line13 with the following paragraph:

When there is such a disk drive, the error monitor section 231 selects that one of unpaired disk drives whose "error counter" value exceeds that of a paired disk drive as a

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[[paring]] pairing target (step 1510), clears pairing of that of the paired disk drives whose "error counter" value is the smallest (step 1511), sets the number of the target disk drive in the "pair disk drive" of the pairing-cleared spare disk drive (step 1512), sets the number of the spare disk drive into the "pair disk drive" of the target disk drive (step 1513), sets the "disk drive statuses" of the target disk drive and the spare disk drive in the mirror status (step 1514), instructs the mirror section 235 to start mirroring (step 1515), then returns to step 1509.